

F-SM-MM-02 & SFMFF1xxx-20x

Single Mode to Multimode Optical Mode Converter



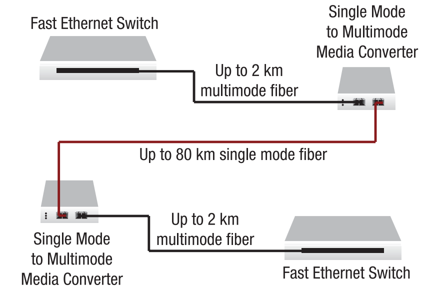
Features

- Link Pass Through
- Automatic Link Restoration

Extend Network Distance

Extend distances up to 80 km with these network protocols that use 1300nm wavelength for fiber optic transmission. In fact, distances can be extended in any networking protocol between 100Mbps and 155Mbps.

Save money by purchasing Fast Ethernet devices with lower cost multi-mode fiber interfaces and use converters to introduce single mode fiber only where you need it.



Specifications

Standards	IEEE Std. 802.3
Status LEDs	**PWR:** Steady green LED indicates connection to external AC power **LKM or Link (Left):** Lit for MM Link **LKS or Link (Right):** Lit for SM Link
Dimensions	**Width:** 3.0" [76 mm] **Depth:** 4.7" [119 mm] **Height:** 1.0" [25 mm]
Power	External AC/DC required; 12V DC. 0.5A; unregulated; standard
Environment	0 – 50° C; 5% – 90% humidity non-condensing; 0 – 10,000 feet altitude
Shipping Weight	2 lbs. [0.90 kg]
Safety Compliance	**Wall Mount Power Supply:** UL Listed and CSA certified
Regulatory Compliance	CISPR/EN55022 Class A; EN55024; EN61000; FCC Class A; CE Mark
Warranty	Lifetime

Ordering Info

SFMFF1313-200
1300nm multimode (SC)
[2 km/ 1.2 mi.] Link Budget: 11.0 dB
to 1300nm multimode (SC)
[2 km/ 1.2 mi.] Link Budget: 11.0 dB

F-SM-MM-02
1300nm multimode (SC)
[2 km/ 1.2 mi.] Link Budget: 11.0 dB
to 1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB

F-SM-MM-02(LH)
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
to 1310nm single mode (SC)
[40 km/24.9 mi.] Link Budget: 26.0 dB

F-SM-MM-02(XL)
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
to 1310nm single mode (SC)
[60 km/37.3 mi.] Link Budget: 29.0 dB

F-SM-MM-02(LW)
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
to 1550nm single mode (SC)
[80 km/49.7 mi.] Link Budget: 29.0 dB

SFMFF1414-200
1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
to 1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 26.0 dB

SFMFF1415-200
1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
to 1310nm single mode (SC)
[40 km/24.9 mi.] Link Budget: 26.0 dB

SFMFF1417-200
1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
to 1550nm single mode (SC)
[80 km/49.7 mi.] Link Budget: 29.0 dB

Single Fiber Products
Recommended use in pairs

SFMFF1329-200
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
to 1310nm TX/1550nm RX single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

SFMFF1329-201
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
1550nm TX / 1310nm RX single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

SFMFF1329-202
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
1310nm TX / 1550nm RX single fiber single mode (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB

SFMFF1329-203
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
1550nm TX / 1310nm RX single fiber single mode (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB

Ordering Info

SFMFF1329-204
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
1310nm TX / 1550nm RX single fiber single mode (SC)
[60 km/37.3 mi.] Link Budget: 28.0 dB

SFMFF1329-205
1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
1550nm TX / 1310nm RX single fiber single mode (SC)
[60 km/37.3 mi.] Link Budget: 27.0 dB

SFMFF1429-200
1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
1310nm TX / 1550nm RX single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

SFMFF1429-201
1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
to 1550nm TX / 1310nm RX single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

SFMFF1429-202
1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
to 1310nm TX / 1550nm RX single fiber single mode (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB

SFMFF1429-203
1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
to 1550nm TX / 1310nm RX single fiber single mode (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB

Optional Accessories

(sold separately)

F-SM-MM-02:

SPS-1872-CC
Wide Input (18 – 72VDC) Piggy Back Power Supply

WMBD-FS
DIN Rail Bracket (flat, small) 3.1" [79 mm]

SFMFF1x29-20x:

SPS-1872-PS
Wide Input (18 – 72VDC) Piggy Back Power Supply

WMBD-F
DIN Rail Bracket (flat) 3.3" [84 mm]

F-SM-MM-02 or SFMFF1x29-20x:

SPS-1872-SA
Wide Input (18 – 72VDC) Stand-Alone Power Supply

E-MCR-05
12-slot Media Converter Rack

RMS19-SA4-01
4-slot Media Converter Shelf

WMBD
DIN Rail Bracket 5.0" [127 mm]

WMBL
Wall Mount Bracket 4.0" [102 mm]

WMBV
Vertical Wall Mount Bracket 5.0" [127 mm]



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